



INTERNAL Installation Guide

FAX/DATA MODEM

INSTALLATION

a. COM port or Plug & play selection

Before you install your internal modem card into your personal computer you can select a suitable COM port or plug & play to select COM port automatically. Make certain that no other interface cards in your computer use the same COM port. For example, if you have a RS-232 card in your computer that supports both COM1 and COM2 then you should not choose these COM ports for your Fax/Data Modem card. You may use either COM3 or COM4 only. Most Fax/Data Modem software can support all four COM ports in your Fax/Data Modem card. However, some software will only support COM1 or COM2. Check your software manual to find out which COM port can used.

- I. If you use jumper setting to select COM port, the internal modem card support 4 interrupts, those are IRQ3, IRQ4, IRQ5 and IRQ7. You can choice the interrupt which you want to combine with I/O address.

COM port's I/O address and interrupt switch setting as follow :

COM port number	I/O address	Jumper setting		
		S1	JP4-JP6	JP8
COM1	3F8-3FF	2, 4 ON	1, 2 ON	OFF
COM2	2F8-2FF	2, 6 ON	1, 2 ON	OFF
COM3	3E8-3EF	1, 4 ON	1, 2 ON	OFF
COM4	2E8-2EF	1, 6 ON	1, 2 ON	OFF

Interrupt assignment	Jumper S1 setting
IRQ3	5 ON
IRQ4	3 ON
IRQ5	7 ON
IRQ7	8 ON

Normally the interrupt and I/O address assign for each COM port as following : Figure 1-2 shows the jumper setting for each COM port.

COM port number	Interrupt assignment	I/O address
COM1	IRQ4	3F8-3FF
COM2	IRQ3	2F8-2FF
COM3	IRQ4	3E8-3EF
COM4	IRQ3	2E8-2EF

Default setting :

COM port NO.	I/O address	Interrupt NO.	Jumper setting		
			S1	JP4-JP6	JP8
COM2	2F8-2FF	IRQ3	2, 5, 6 ON	1, 2 ON	OFF

- II. If you use plug & play to automatic COM port setting, the internal Modem card jumper setting are as following:**

Jumper setting	S1	JP4-JP6	JP8
	Don't care	2,3 ON	ON

We also support software to install Modem under Windows '95. You can install in Windows '95 step by step:

- 1. Double-click 'My Computer' icon.**
- 2. Double-click 'Control Panel' icon.**
- 3. Double-click 'Modems' icon.**
- 4. Click 'Add...' button.**
- 5. Answer 'Other' to the question 'What type of Modem you are installing?' and click 'Next' button.**
- 6. Click the box 'Don't detect my Modem; I will select it from a list.' and click 'Next' button.**
- 7. Click 'Have disk...' button and insert INF file for Windows '95 drivers' disk into drive A or B. You can also select alternative source for the separate driver file (.inf) by clicking 'Browse...' button.**
- 8. Select the correct model from the list and click 'Next' button.**
- 9. Select the port where Modem is connected and click 'Next' button. Windows '95 will load correct drivers to hard disk and informs that installation is completed. Click 'Finish' button.**

If you want to check that installation was successful and Modem is functional, select 'Diagnostic' from the window 'Modems Properties'. Select a correct port and click 'More Information' button. 'More Info...' shows Modem's response to AT-commands and port setting. If response are empty or program can't find a Modem, check the Modem's functionality again.

This is the first time to install INF file. When you remove the driver in Windows '95 and re-insert Modem, you don't need to re-install. You can select Modem directly from the manufacture list in Windows '95.

b. Line Connection and Jumper setting

Figure 1-1 shows the back panel of the internal modem card and Figure 1-2 shows the jumper Setting for different COM ports.

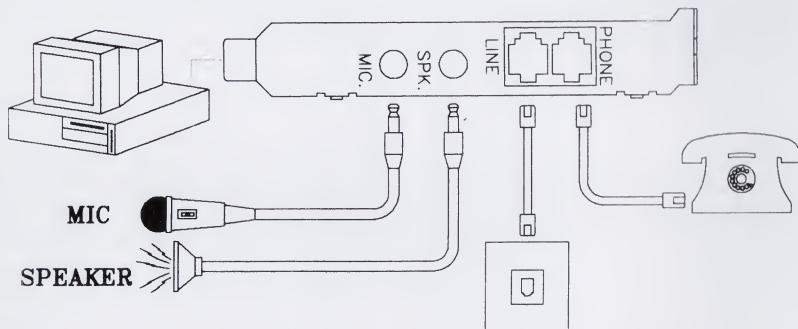
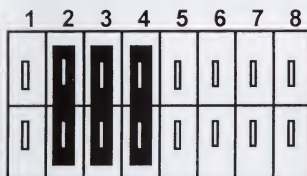
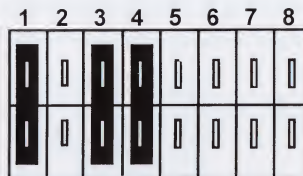


FIG. 1-1 Back Panel of the Internal Modem



COM 1



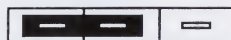
COM 3



COM 2



COM 4



JP6



JP4



JP5

1 2 3



JP8



JUMPER

FIG. 1-2 Jumper Settings for Different Com Ports

d. Hooking up the telephone cable

- 1. Insert one end of the modular telephone cable into the jack labeled "LINE" and insert the other end into a telephone wall jack.**
- 2. If you want to have voice conversations on the same telephone line, you should insert the free end of the cable of a telephone set into the jack labeled "PHONE" on the rear panel of your Fax/Data Modem.**